ECLIPSE®

ENGLISH

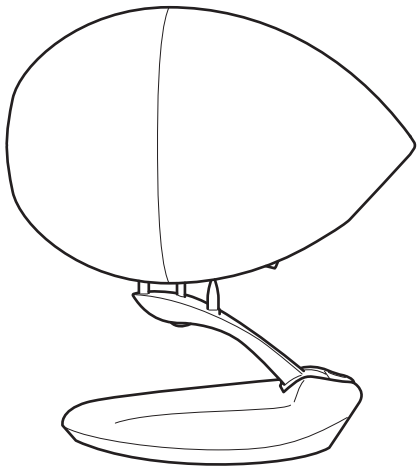
TD508MK3
TD510MK2

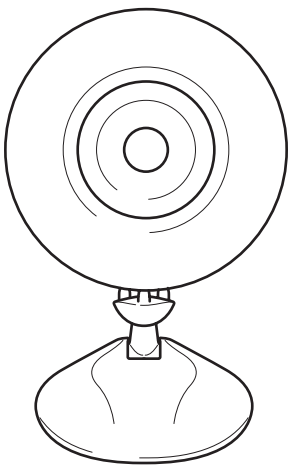
MANUAL No. 090003-32270700

OWNER'S MANUAL

- Thank you for purchasing this product.
- Please read this owner's manual thoroughly prior to carrying out installation and connections.
- Depending on the specific installation specialised skills maybe required. In such a case, please consult a qualified technician.
- Installation by two people is always advised.

Keep this Owner’s Manual together with the Warranty Certificate in a safe place for later reference.





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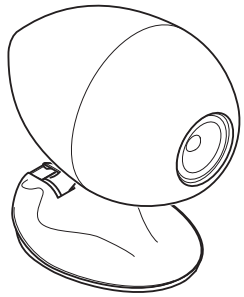
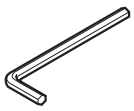
Parts list

Check that all of the following items are present

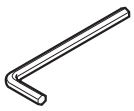


❶Speaker ×1

❷Grille ×1



❸Hexagonal wrench (large) ×1

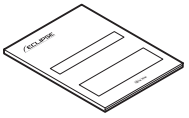


❹Hexagonal wrench (small) ×1

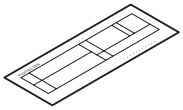
Included with TD510MK2 only

❺Plug ×5

❻Logo sticker ×1



❼Owner's Manual ×1



❽Warranty ×1

＊This speaker has been designed around the Time Domain concept.

《**What is Time Domain theory?**》

The theory seeks to accurately reproduce the timing of the air and sound movement exactly, as if were present in the original recording. The difference is you feel the sense of 'being there' at the original sound recording. We could only achieve this experience using our unique technology.

Time domain theory is an audio theory proposed by Hiroyuki Yoshii, the President of TIMEDOMAIN Corporation.

Safety guidelines

The following WARNING and CAUTION signs are used throughout this owner's manual as well as on the product. These signs alert the installer and users of important safety information to avoid risk of injury and damages to the product. Make sure that you understand these signs thoroughly before reading this manual.

Warning	The instructions which follow this sign indicate situations where failure to follow the instructions may result in death or severe injury.
Caution	The instructions which follow this sign indicate situations where failure to follow the instructions could cause injury when using the product or physical damage to equipment and surroundings.

Tip	This section contains information that can help to prevent problems and damage to the unit, and also contain other useful information.

Warning

- Do not open the unit as this may cause electric shock or injury. For repair or maintenance, please contact a Customer Service Center. Do not attempt to modify the unit. This may cause fire or electric shock, and invalidate the warranty.
- Do not place the unit in the bathroom or anywhere exposed to rain. Do not use the unit in places with high humidity. This may cause fire or electric shock. Be particularly careful when using the unit in rainy weather or when it is snowing, at the beach or near water. Do not place above or near the unit, any flower vases, plant pots, cups, makeup, medicine or any vessel containing liquid or any small metal objects. In case any liquid or small metal objects enter the unit, fire or electric shock may result.

Caution

- The unit should be placed on a hard, flat surface. Placing the unit on an unstable surface may cause it to fall over and cause injury.
- Do not climb on or swing from the unit. In particular, care should be exercised when children are present. The unit may fall or break and cause injury.

Checklist before use

- Be sure to set the volume to the minimum level before turning on the power supply for connected equipment and before switching the input source. Sudden high levels of output can cause damage to the connected speaker system.
- Even pleasant music can be a disturbance at times. To avoid disturbance in your neighborhood, enjoy your unit at an appropriate volume. Remember that at night, even low volume carries into surrounding areas. Help to maintain a pleasant living environment.
- Always be sure to turn off the power supply for the connected equipment before connecting the speaker.
- Be careful not to tip over the stand.
- Clean the unit by wiping it gently with a soft cloth moistened in neutral detergent. Do not use liquid solvents such as alcohol or thinner to clean this product.

Speaker installation example

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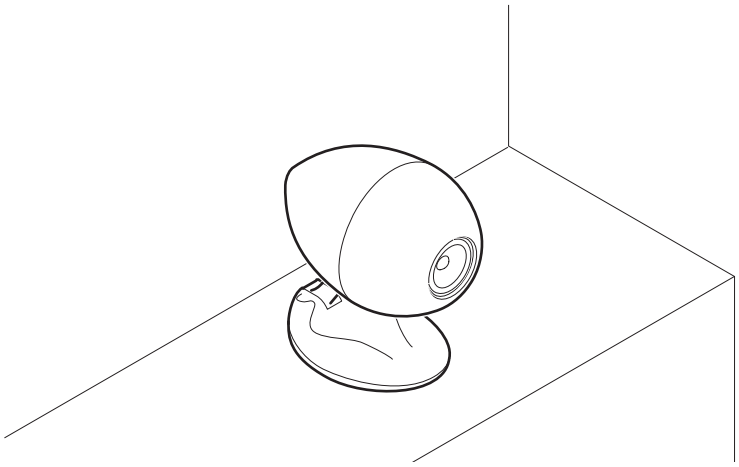
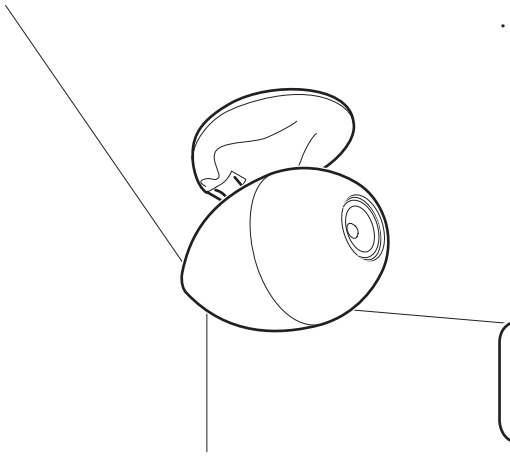
Installation on a floor or shelf

- Make fine adjustments to the speaker angle. ➡Refer to P.32.
- Adjust the angle of the speaker arm. ➡Refer to P.34.



Ceiling installation

- Installation summary ➡Refer to P.37.
- Determine the speaker installation angle. ➡Refer to P.38 - 39.
- Install the speaker on the ceiling. ➡Refer to P.41 - 47.
- Make fine adjustments to the speaker angle. ➡Refer to P.32.



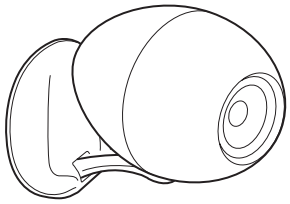
Tip

The CB1 mounting bracket available separately should be used to provide the most flexible installation.

Wall mounting

TD508MK3 only

- Installation summary ➡Refer to P.37.
- Determine the speaker installation angle. ➡Refer to P.40.
- Install the speaker on the wall. ➡Refer to P.41 - 47.
- Make fine adjustments to the speaker angle. ➡Refer to P.32.



⚠ Caution

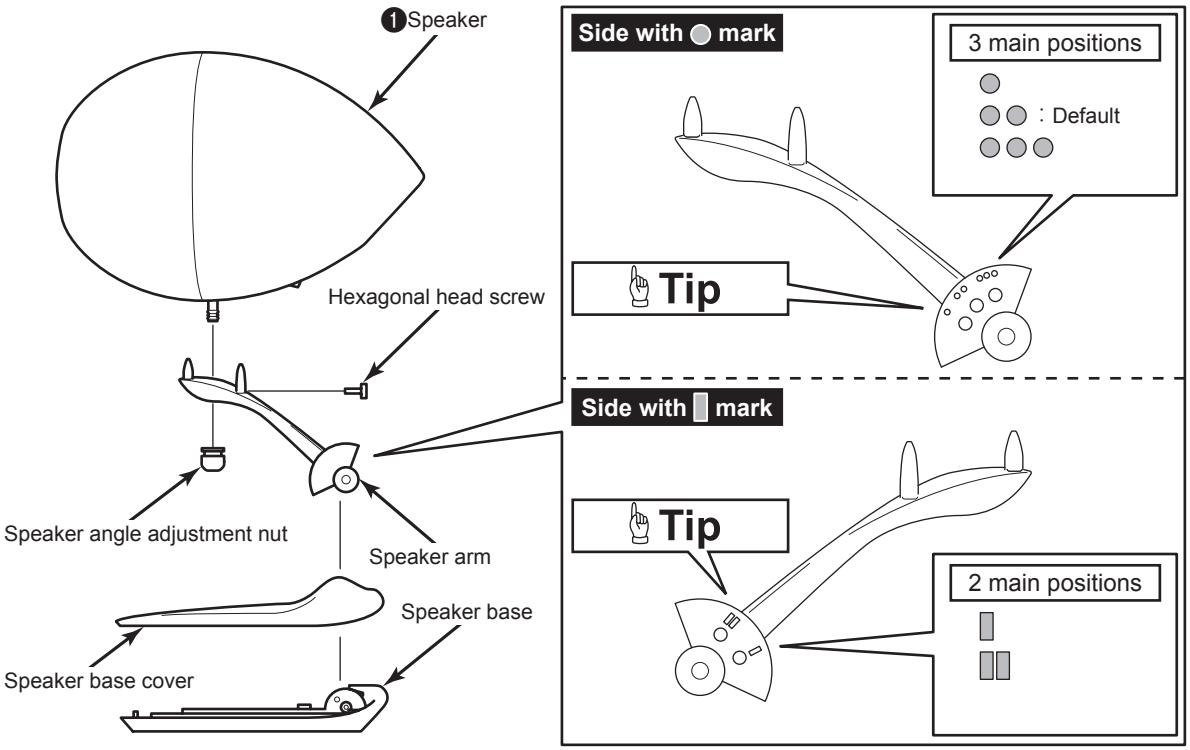
The only speaker which can be installed on a wall is the TD508MK3. The TD510MK2 cannot be installed on a wall.

Tip

The CB1 mounting bracket available separately should be used to provide the most flexible installation.

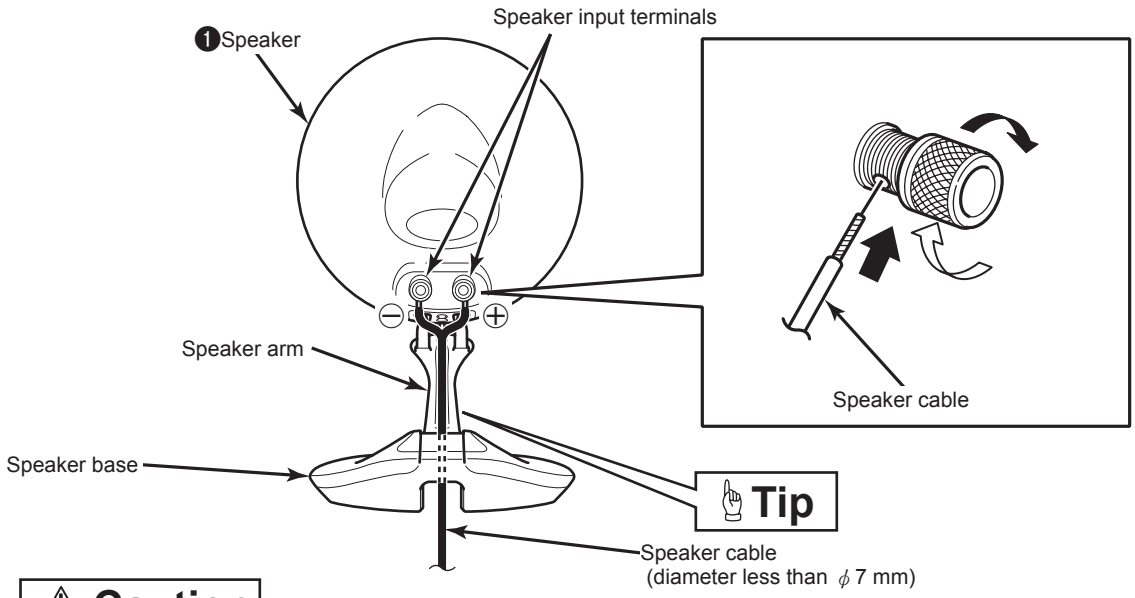
Parts and connections

※The diagrams are for the TD508MK3 are the same for the TD510MK2.



Tip

The marks on the speaker arm can be used as a guide when adjusting the angle of the speaker arm.



⚠ Caution

When connecting the speaker wires, insert the bare ends of the speaker wires correctly so that they do not touch neighboring terminals, otherwise it may cause short-circuits.

Tip

■ **For speaker cable diameter ϕ 7 mm or less**

If the speaker cable is passed through the cable holes in the speaker base and the speaker arm, it will improve the outer appearance of the speaker.

■ **For speaker cable diameter ϕ 7 mm or more**

The speaker cable cannot be passed through the speaker arm, so route it along the outside.

Adjusting the speaker angle

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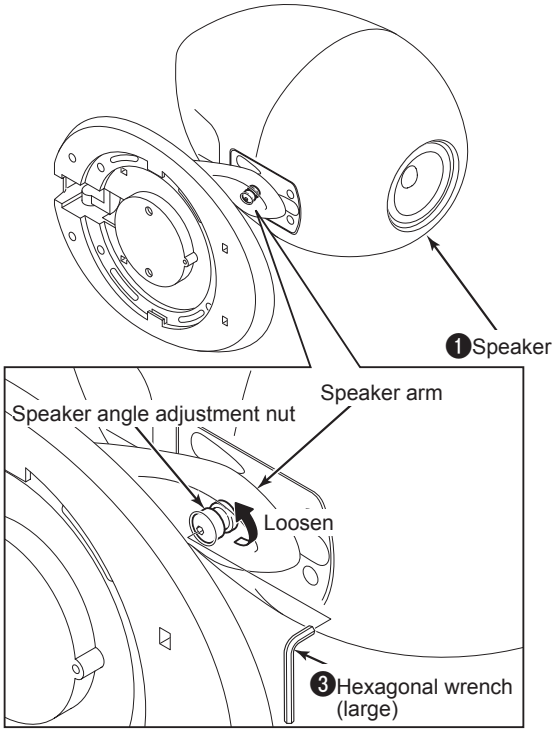
1 Spread a soft cloth over the floor in order to prevent damaging the surface of the speaker.

2 Place the speaker on its side.

3 Loosen the speaker angle adjustment nut on the under side of the speaker arm.



4 Stand the speaker upright.

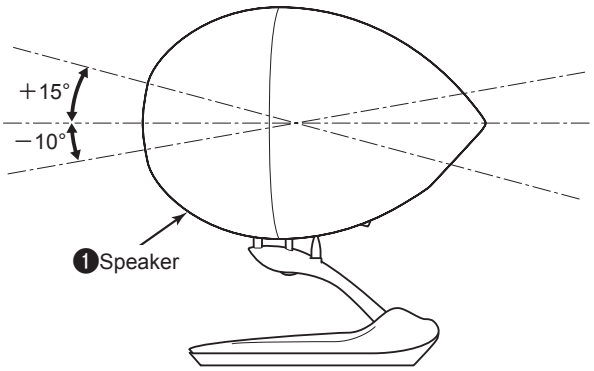
5 Adjust the speaker to the desired angle.

⚠ Caution

Be careful not to let the speaker stand fall over while adjusting the angle.

Tip

The angle of the speaker can be adjusted within the range of +15° to -10°.



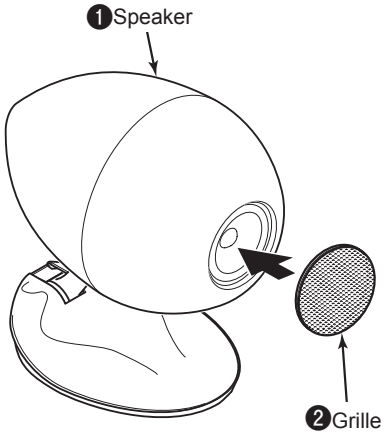
6 Securely tighten the speaker angle adjustment nut.

Installing the speaker grille

1 Install the grille as shown in the illustration.

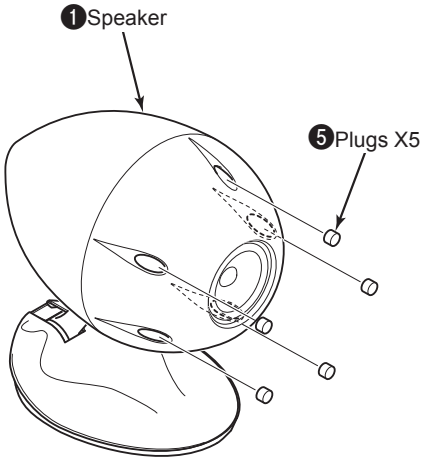
Tip

- The grille may be attached when the speaker is not in use or at the users discretion.
- Clip the edge of the grille to secure it.



■ TD510MK2 only

2 Install the plugs as indicated.



ENGLISH

On a floor or shelf

– Adjusting the angle of the speaker arm –

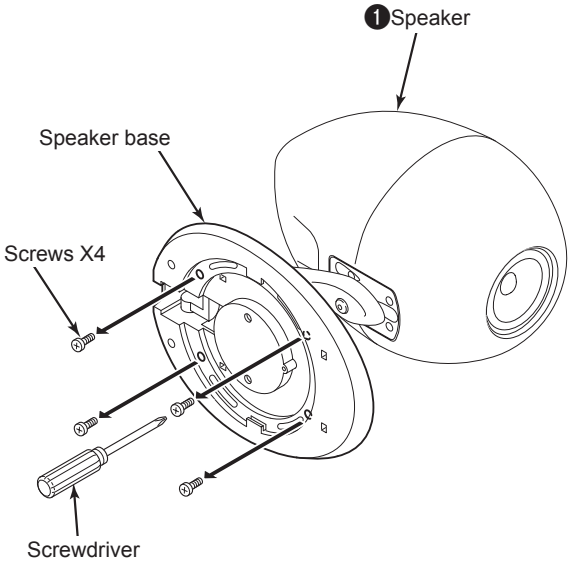
Tip

- If you wish to use the speaker at the standard angle position (as it is when removed from its packaging), there is no need to adjust the angle.
- You can increase the speaker angle by 15° from its standard position (as it is when removed from its packaging) by adjusting the speaker arm. (The angle of the speaker [including fine adjustments➡refer to P.32] can be adjusted by up to a maximum of +30°.)

1 Spread a soft cloth over the floor in order to prevent damaging the surface of the speaker.

2 Place the speaker on its side.

3 Remove the screws from the bottom of the speaker base and keep to hand for use later.



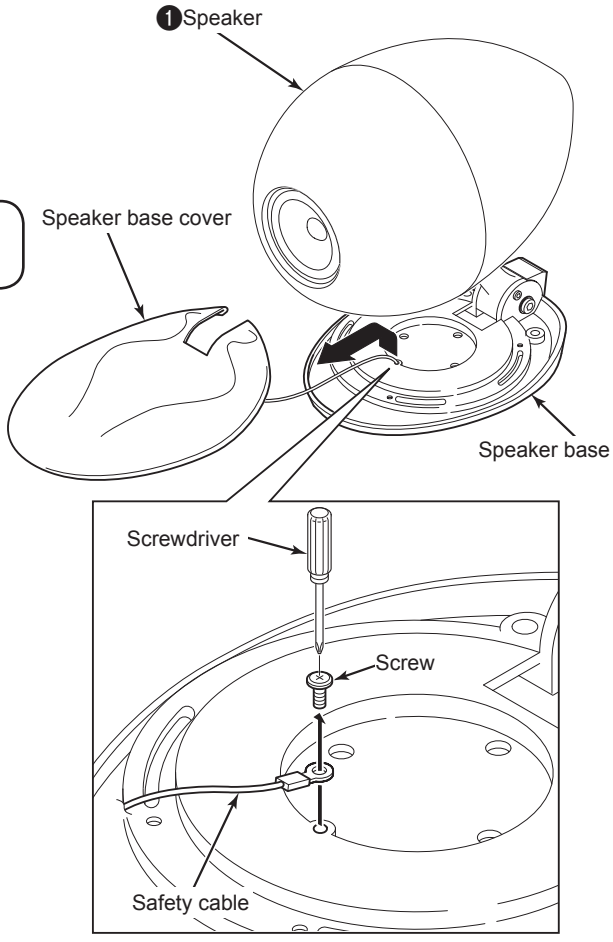
4 Stand the speaker upright.

5 Remove the cover from the speaker base.

6 Remove the safety cable from the speaker base.

Tip

Keep screws to hand for use later.



7 Spread a soft cloth over the floor in order to prevent damaging the surface of the speaker.

8 Place the speaker on its side.

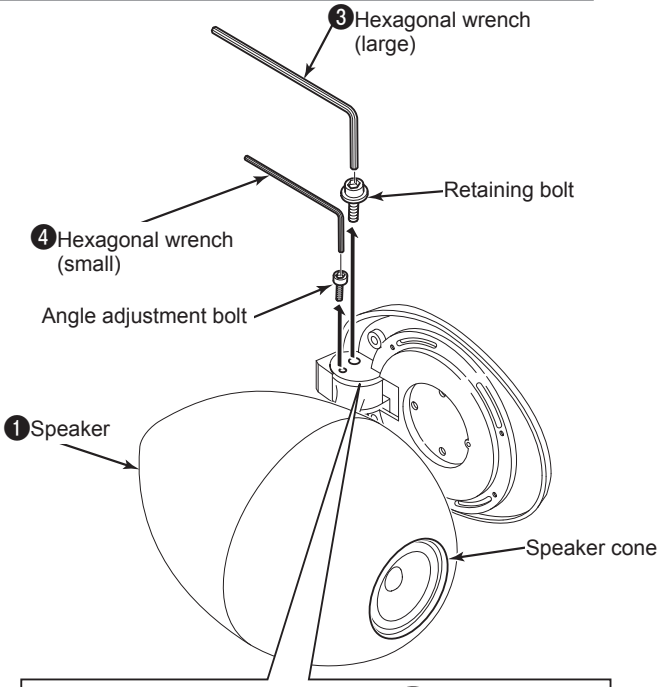
9 Remove the retaining bolt and the angle adjustment bolt from the speaker arm side with the ● mark.

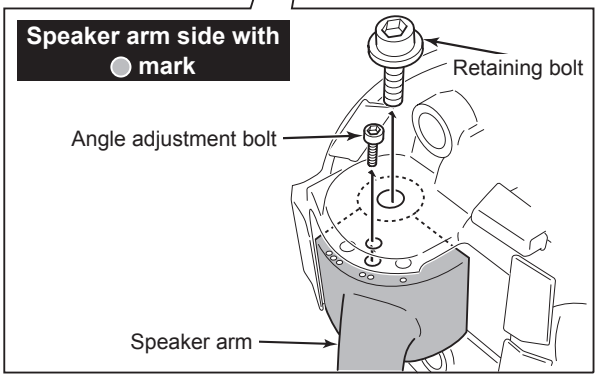
⚠ Caution

- When the retaining bolt and locking screw have been removed, ensure the speaker does not fall forwards so neither the cone or cabinet is damaged.
- Be careful not to get your hand or fingers caught in the movable part of the speaker arm.

Tip

The fixing holes at the ● and ●●● marks on the speaker arm will not be used.





10 Install the retaining bolt to the speaker arm side with the ▮ mark.

⚠ Caution

- When the retaining bolt and locking screw have been removed, ensure the speaker does not fall forwards so neither the cone or cabinet is damaged.
- Be careful not to get your hand or fingers caught in the movable part of the speaker arm.

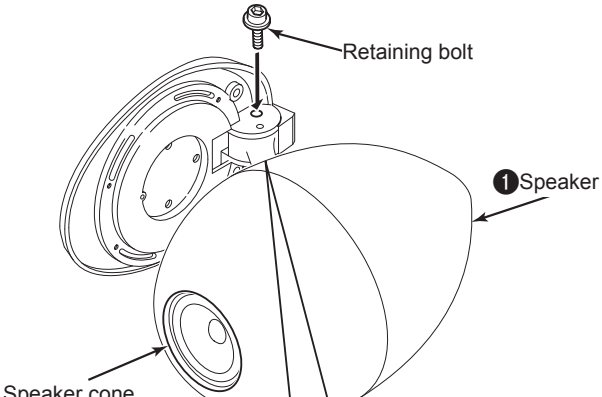
Tip

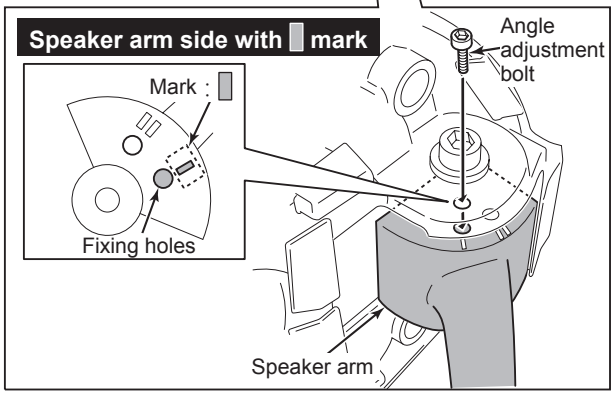
Remember to refit the locking bolt after adjusting the angle.

11 Set the angle of the speaker arm so that it is aligned with the ▮ mark, and then tighten the angle adjustment bolt.

Tip

The fixing hole at the ▮▮ mark on the speaker arm will not be used.

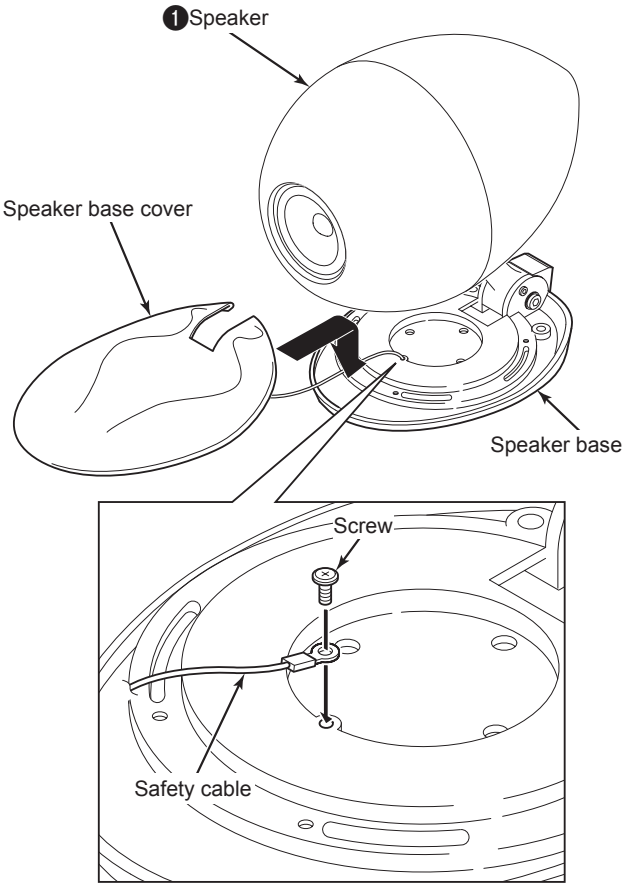




12 Stand the speaker upright.

13 Replace the safety cable, fixing to the base as shown.

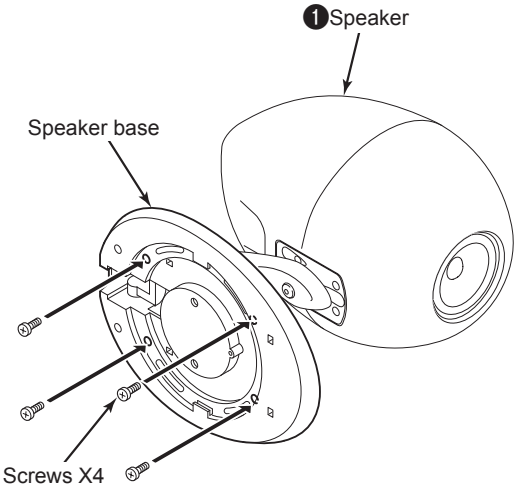
14 Install the cover over the speaker base.



15 Spread a soft cloth over the floor in order to prevent damaging the surface of the speaker.

16 Place the speaker on its side.

17 Install the screws from the bottom of the speaker base.

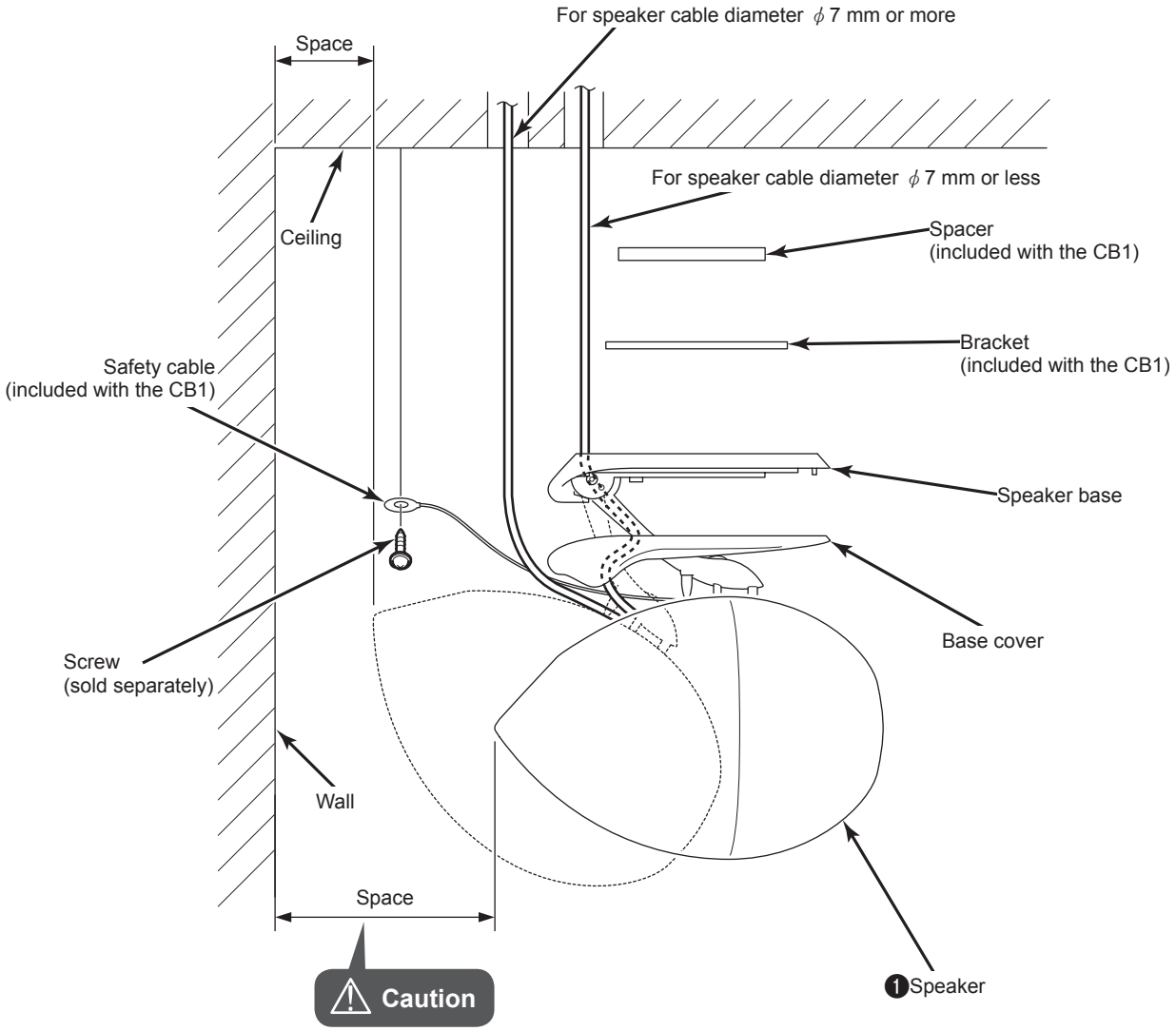


On a ceiling or wall *(The bracket (CB1) which is sold separately is required.)*

This product can be installed on ceilings and walls. If installing on a ceiling or a wall, you will need to use extra screws (sold separately). When installing the speaker, be sure to fit the safety cable (included with the CB1).

⚠ Caution

- Please read this owner's manual thoroughly prior to carrying out installation and connections.
- Depending on the specific installation specialised skills maybe required. In such a case, please consult a qualified technician.
- Installation by two people is always advised.
- Please note the screws for fixing the product and safety cable to the ceiling are NOT supplied.

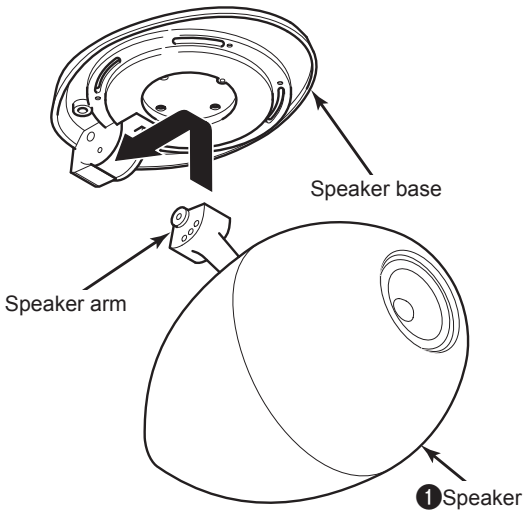


⚠ Caution

Leave enough space so that the rear of speaker does not touch the ceiling or wall.

ENGLISH

■ Standard speaker arm type



1 Select an installation method for the speaker arm in accordance with the speaker installation angle that will be used at the installation location.

Tip

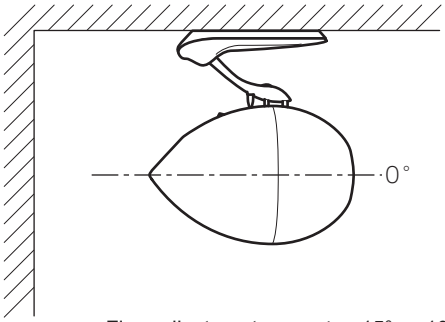
- The installation angle can be varied within a wide range by means of the direction of the speaker arm and the fixing holes used.
- For examples of the speaker angles, refer to the installation examples on pages 38 and 39.
- The position of the fixing hole (mark) is important when assembling the speaker and the speaker arm. For details, refer to “Assembling the speaker” on P.46.

2 Install the speaker on the ceiling.

Tip

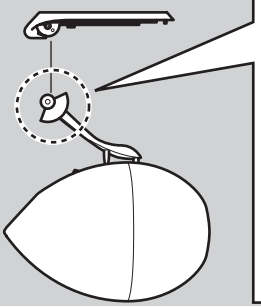
For details on the installation procedure, refer to P.41 - 47.

If the speaker angle is 0°

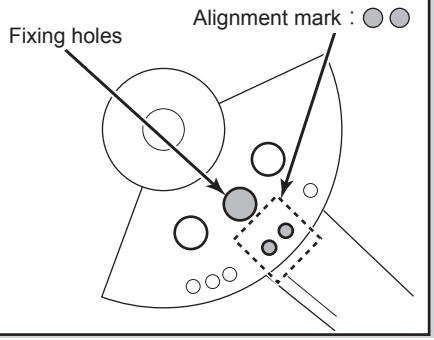


Fine adjustment range：−15° ～ 10°
(➡Refer to P.32.)

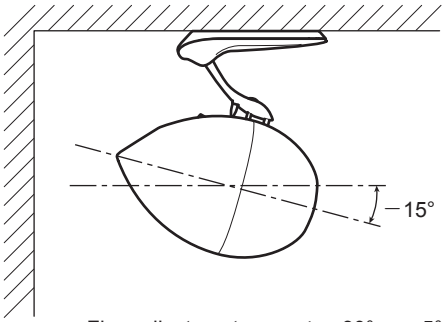
Speaker arm : Standard



Fixing holes：Side with ● mark
(Mark：●●)

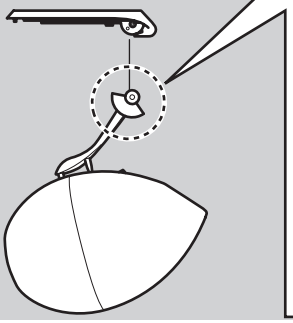


If the speaker angle is -15°

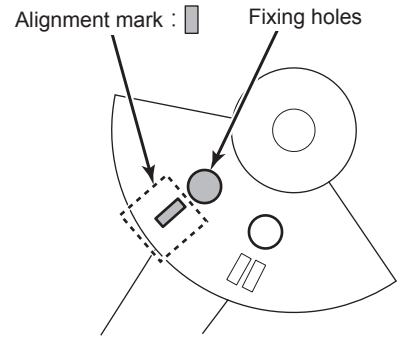


Fine adjustment range：−30° ～−5°
(➡Refer to P.32.)

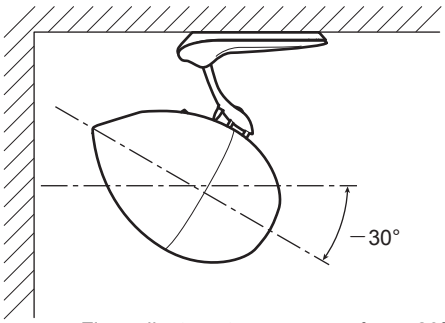
Speaker arm : Standard



Fixing holes：Side with ▯ mark
(Mark：▯)

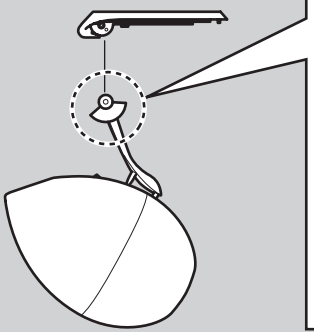


If the speaker angle is -30°

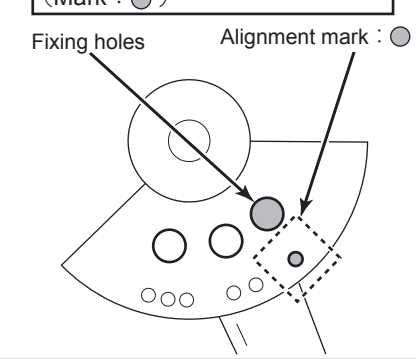


Fine adjustment range：−45° ～−20°
(➡Refer to P.32.)

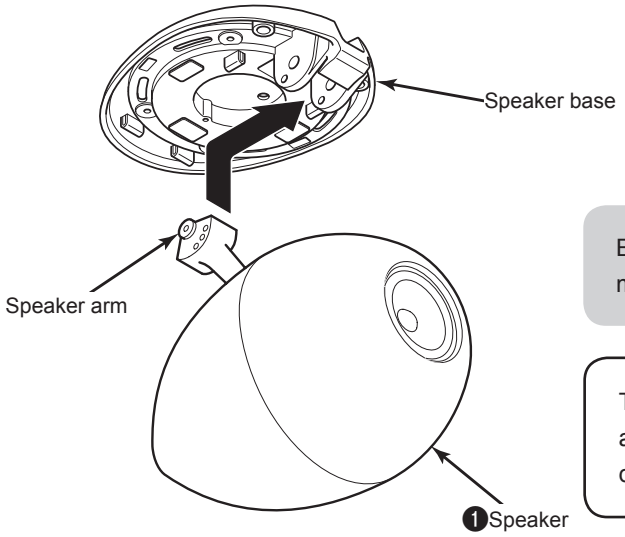
Speaker arm : Standard



Fixing holes：Side with ● mark
(Mark：●)



■ Reverse speaker arm type



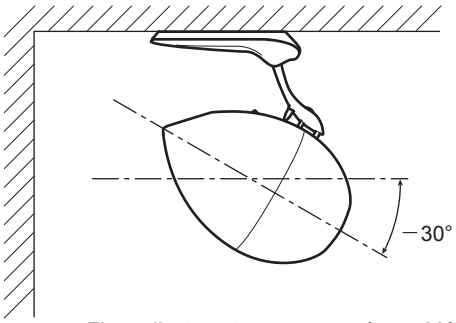
⚠ Caution

Be careful not to get your hand or fingers caught in the movable part of the speaker arm.

Tip

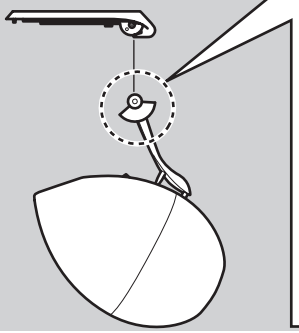
The position of the fixing hole (mark) is important when assembling the speaker and the speaker arm. For details, refer to “Assembling the speaker” on P.46.

If the speaker angle is -30°



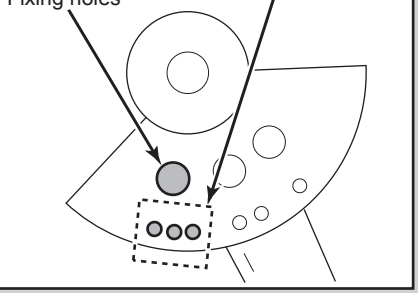
Fine adjustment range：−45° ～−20°
(➡Refer to P.32.)

Speaker arm : Reverse

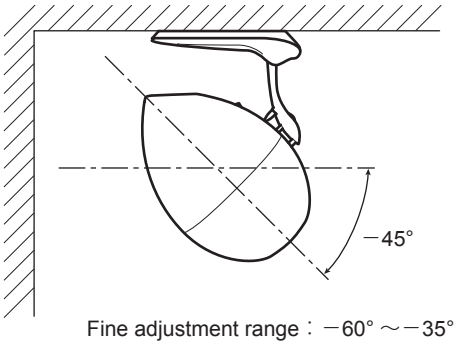


Fixing holes：Side with ● mark
(Mark：●●●)

Alignment mark：●●●

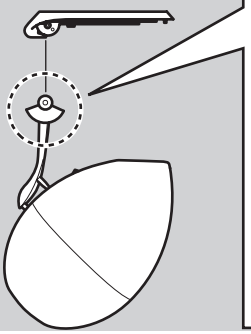


If the speaker angle is -45°

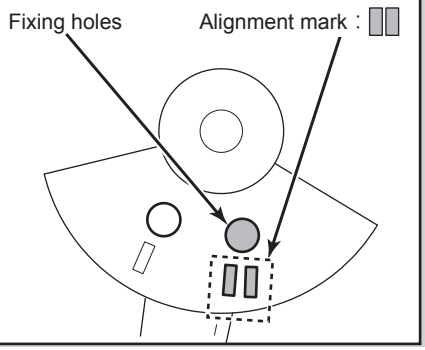


Fine adjustment range：−60° ～−35°
(➡Refer to P.32.)

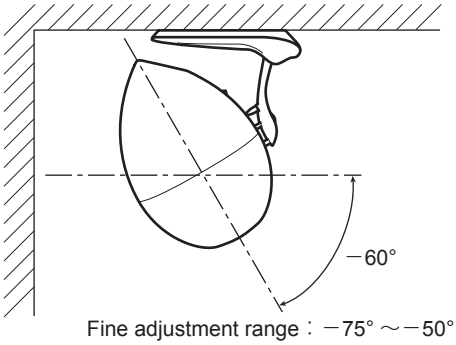
Speaker arm : Reverse



Fixing holes：Side with ▮ mark
(Mark：▮▮)

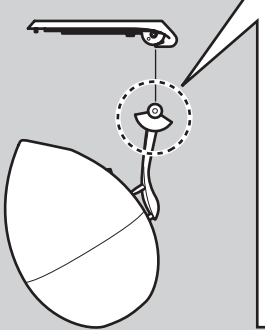


If the speaker angle is -60°

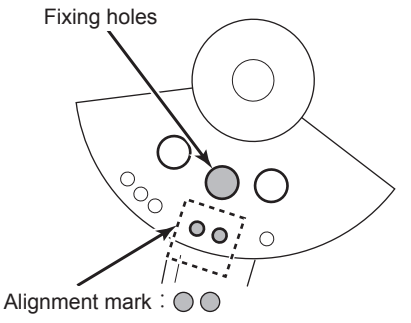


Fine adjustment range：−75° ～−50°
(➡Refer to P.32.)

Speaker arm : Reverse

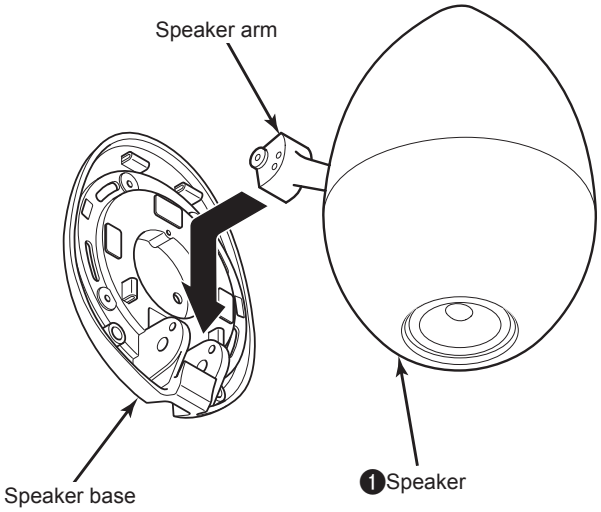


Fixing holes：Side with ● mark
(Mark：●●)



ENGLISH

For the TD508MK3



⚠ Caution

The only speaker which can be installed on a wall is the TD508MK3. The TD510MK2 cannot be installed on a wall.

1 Select an installation method for the speaker arm in accordance with the speaker installation angle that will be used at the installation location.

Tip

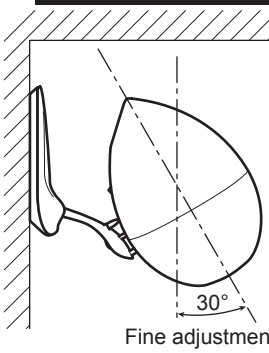
- If installing the speaker on a wall, the direction of the speaker arm is reversed.
- The position of the fixing hole (mark) is important when assembling the speaker and the speaker arm. For details, refer to “Assembling the speaker” on P.46.

2 Install the speaker on the wall.

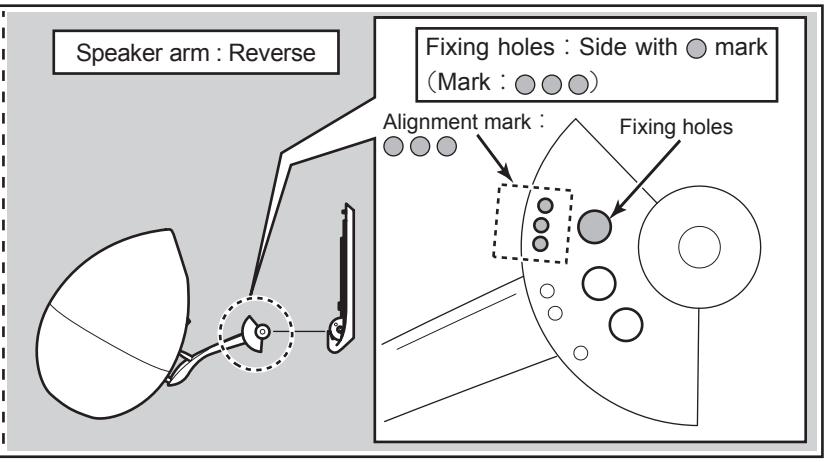
Tip

For details on the installation procedure, refer to P.41 - 47.

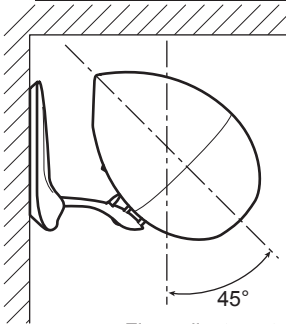
If the speaker angle is 30°



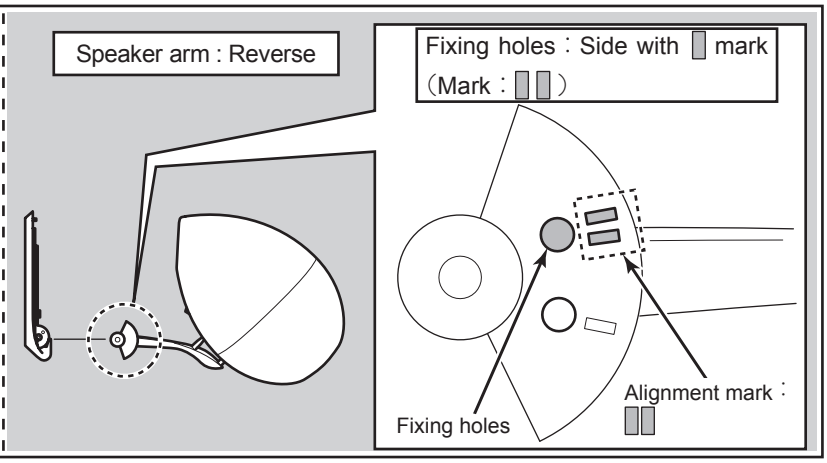
Fine adjustment range：20° ～ 45°
(➡Refer to P.32.)



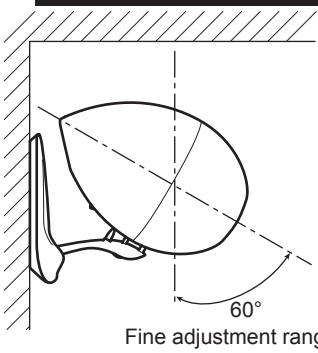
If the speaker angle is 45°



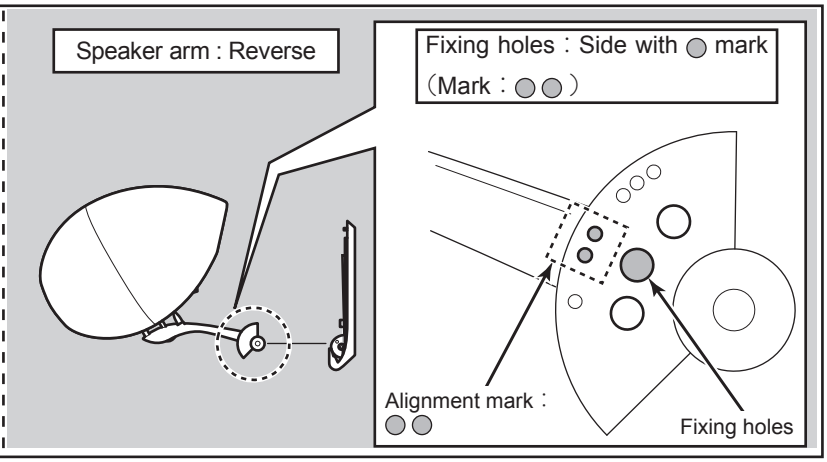
Fine adjustment range：35° ～ 60°
(➡Refer to P.32.)



If the speaker angle is 60°



Fine adjustment range：50° ～ 75°
(➡Refer to P.32.)

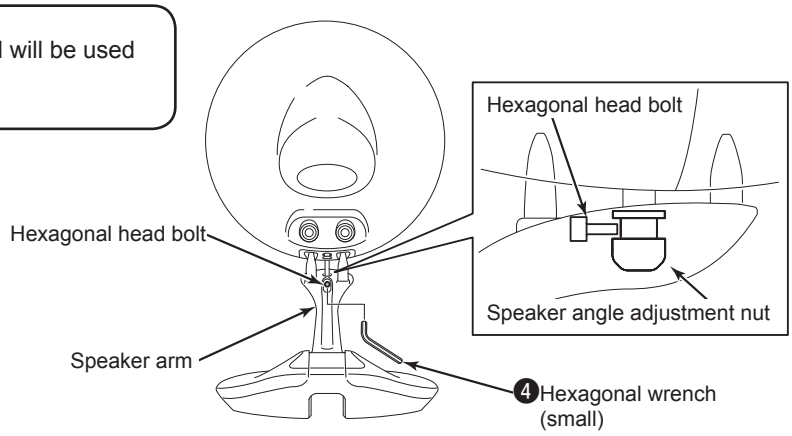


1 Remove the hexagonal head bolt from the speaker arm.

Tip

The hexagonal head bolt which is removed will be used later, so be careful not to lose it.

Rear view of the speaker



2 Spread a soft cloth over the floor in order to prevent damaging the surface of the speaker.

3 Place the speaker on its side.

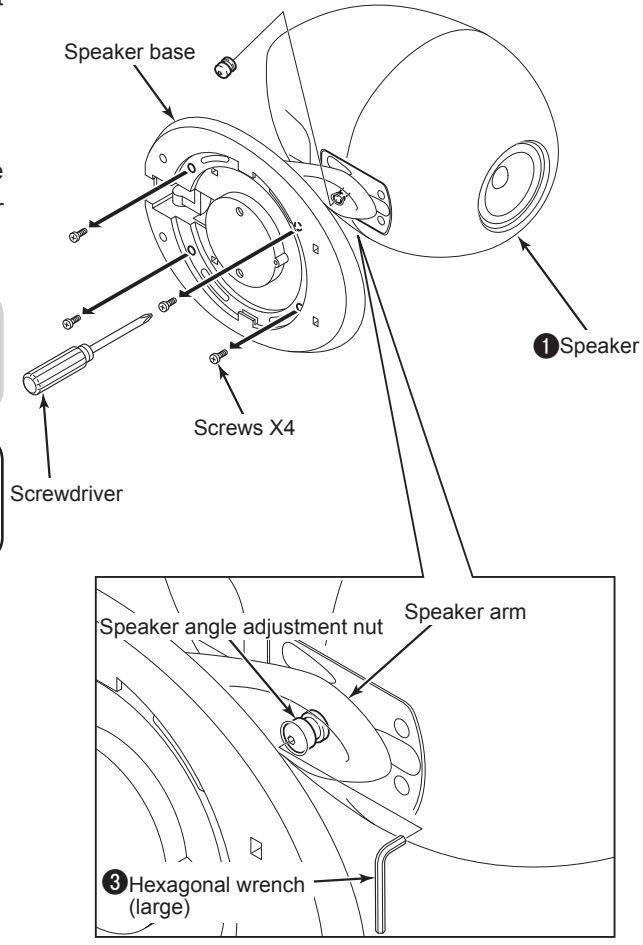
4 Remove the screws from the bottom of the speaker base and the speaker angle adjustment nut from the speaker arm.

⚠ Caution

Retain the adjustment nut as it will be required to lock the unit in position.

Tip

The 4 cover retaining screws can be kept with the packing for future use.



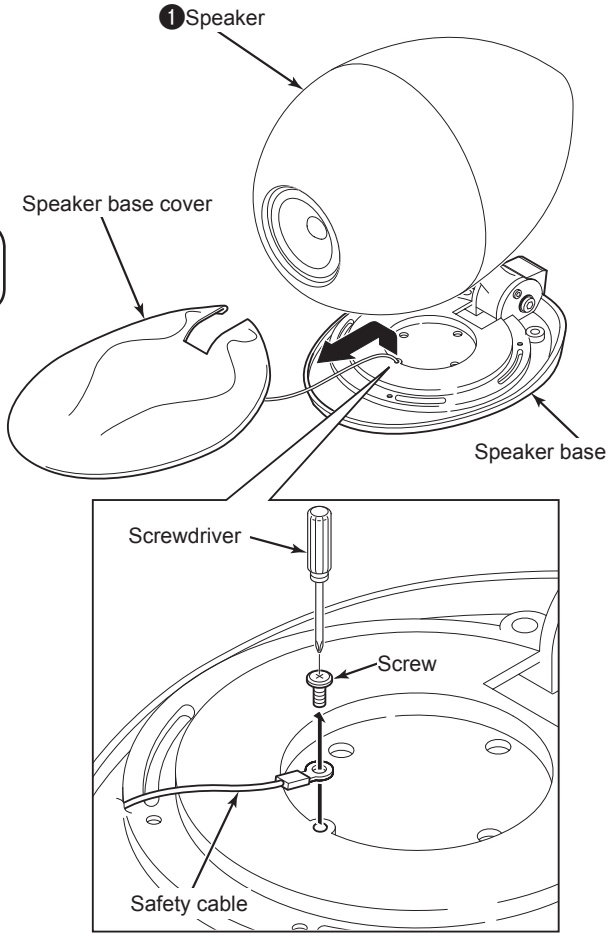
5 Stand the speaker upright.

6 Remove the base cover.

7 Remove the safety cable from the speaker base.

Tip

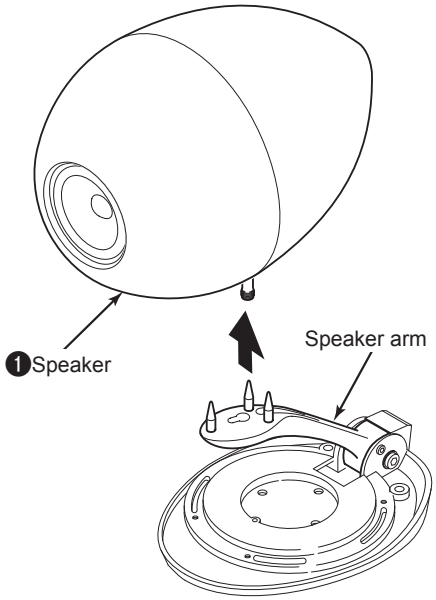
Remember to retain the screw as it will be used later.



8 Lift up the speaker to remove it from the speaker arm.

⚠ Caution

- The speaker is heavy, so hold it firmly while removing it from the speaker arm.
- After removing the speaker, place it on a surface that will not mark it or allow it to roll around.



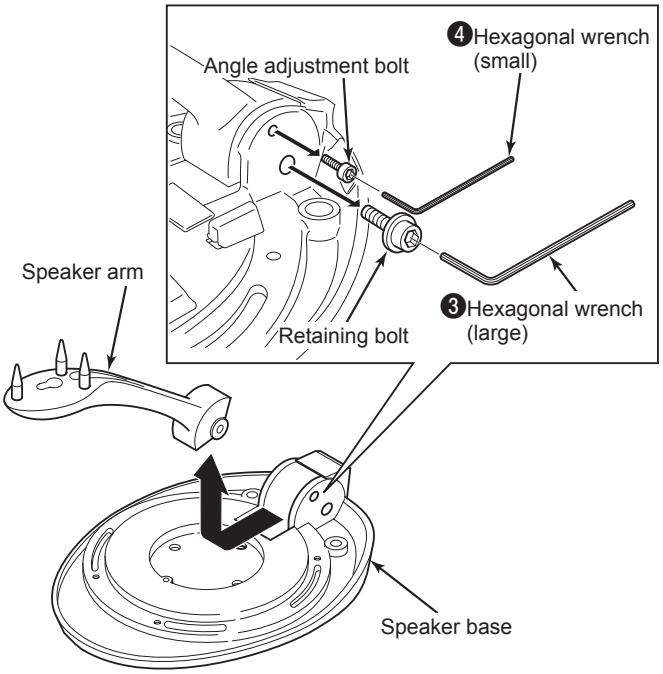
9 Remove the retaining bolt and the angle adjustment bolt, and then lift the speaker arm from the speaker base.

⚠ Caution

Be careful not to get your hand or fingers caught in the movable part of the speaker arm.

Tip

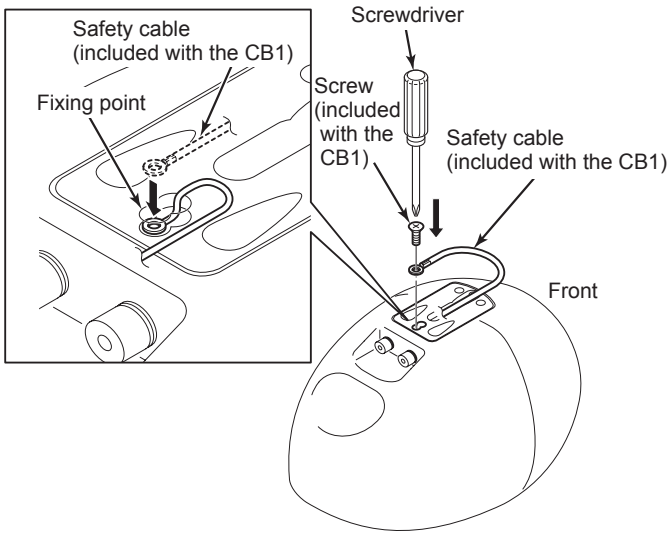
The retaining bolt and angle adjustment bolt will be used later, so keep them to hand.



10 Install the safety cable to the bottom of the speaker.

⚠ Caution

- Pass the safety cable from the speaker front side into the wire fixing point.
- TD508MK3 speakers only: Use the screw (binding M5 x 8) that is included with the bracket.
- TD510MK2 speakers only: Use the screw (binding M4 x 8) that is included with the bracket.
  Make sure that the screw installation holes are correct.
- Securely connect the safety cable to the speaker to prevent the speaker from falling down.
- Place the speaker on top of the soft cloth while working so as not to damage the speaker.

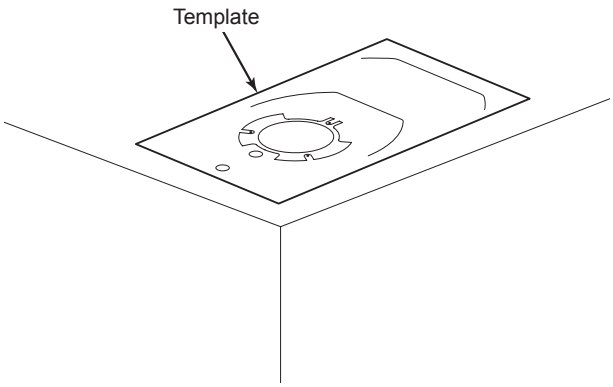


– Installing the bracket –

Tip

The illustration shows the speaker being installed on a ceiling, but carry out the same procedure if installing the speaker to a wall.

1 Use the template in the back of this manual to determine the speaker installation position on the ceiling, and attach the template to the ceiling with tape.



Tip

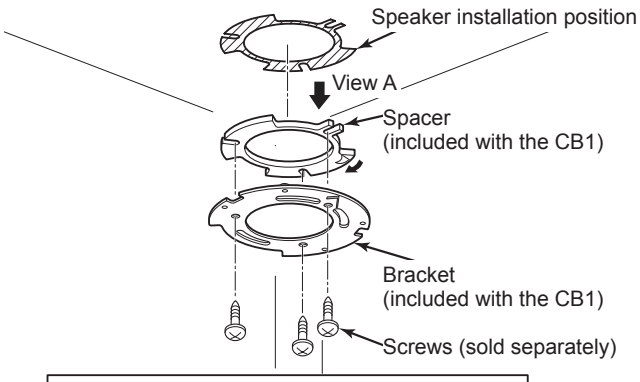
Use scissors or similar to cut the template.

2 Use an awl or similar tool to mark the positions of the bracket mounting holes.

3 Remove the template from the ceiling.

4 Peel off the backing paper from the double-sided tape on the spacer, and then attach the spacer to the bracket.

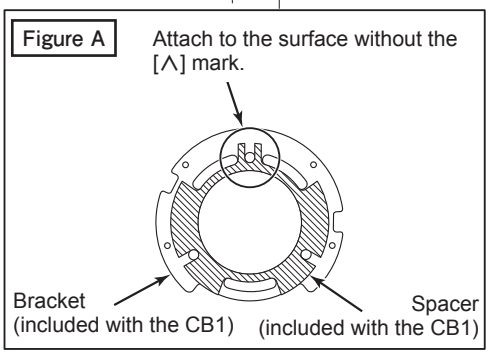
5 Attach the bracket to the spacer installation position with the correct screws for the location.



⚠ Caution

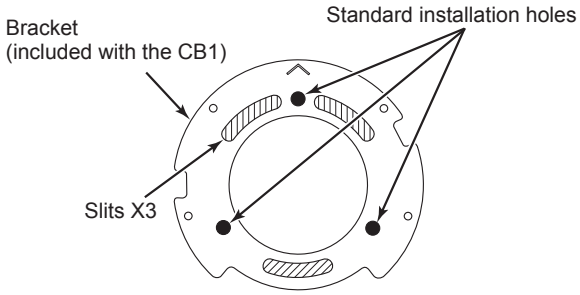
- Securely install the bracket to prevent the speaker from falling down.
- The screws which are used to install the bracket to the ceiling or wall are not provided with the bracket, so purchase them separately.
- When securing the bracket to the ceiling or wall with the screws, if the screws are overtightened, the bracket may become bent and it may not be possible to install the speaker. Be careful not to overtighten the screws.

Figure A



Tip

- When installing the bracket to the ceiling or wall, vary the positions and number of screws used in accordance with the strength of the ceiling or wall and the locations of beams.
- If the installation location is not strong enough when the standard installation holes are made, install more screws using the slits marked with ▨ in order to increase the installation strength.



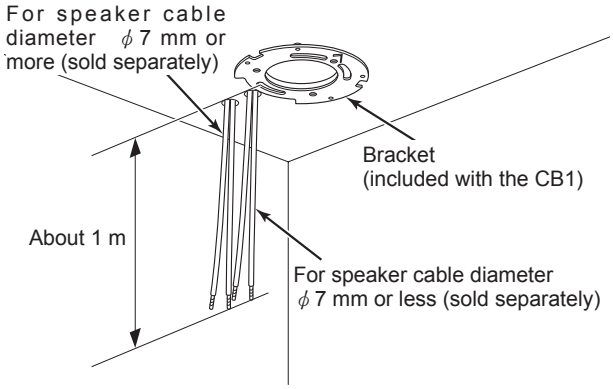
6 Route the speaker cable.

Tip

- Leave an excess length of about 1 m when routing the speaker cable in order to make it easier to connect the speaker cable to the speaker.

■ **For speaker cable diameter ϕ 7 mm or less**

If you route the speaker cable inside the bracket, it will improve the outer appearance of the speaker.

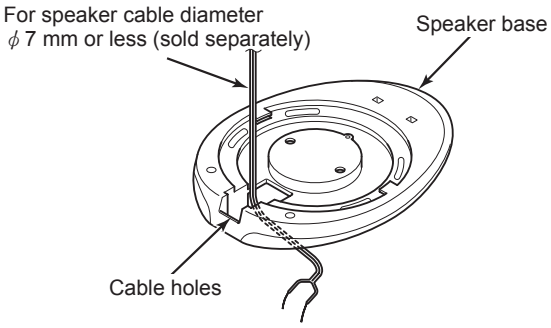

For speaker cable diameter ϕ 7 mm or more (sold separately)
Bracket
(included with the CB1)
About 1 m
For speaker cable diameter
ϕ 7 mm or less (sold separately)

7 Route the speaker cable.

Tip

■ **For speaker cable diameter ϕ 7 mm or less**

If the speaker cable is passed through the cable holes in the speaker base, it will improve the outer appearance of the speaker.

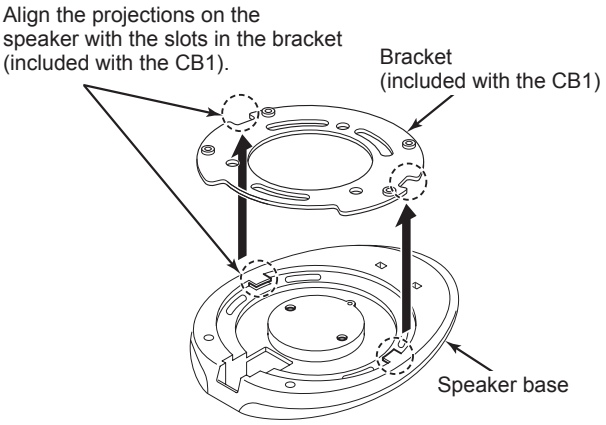


8 Insert the tabs on the speaker base into the grooves in the bracket.

9 Turn the speaker base to hook the tabs on the speaker base into the bracket.

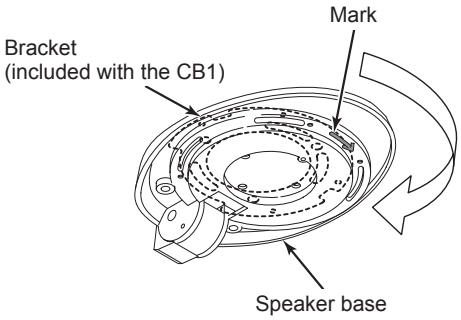
⚠ Caution

- Align the tabs on the speaker base and the grooves in the bracket, and then securely fit the speaker base onto the bracket. If the speaker base and the bracket are not securely locked together, there is the danger that the speaker base may fall down.
- Be careful not to clamp the speaker cable with the speaker base, the bracket or the ceiling.



Tip

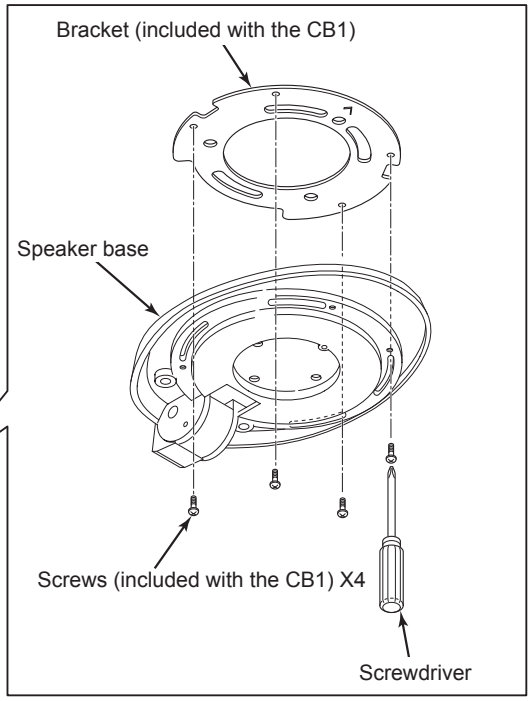
When securing the speaker to the bracket, turn the speaker base in the direction of the arrow marked on the speaker base to secure it. The illustration shows the TD508MK3.

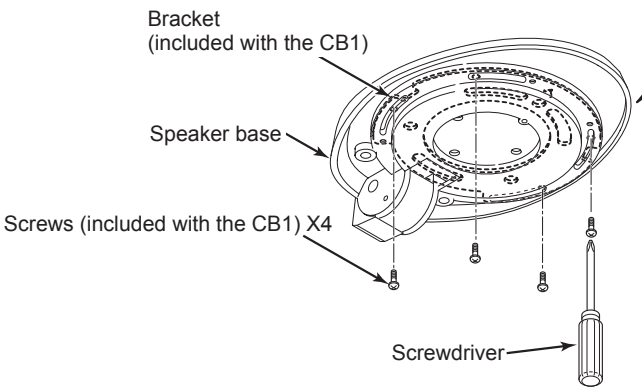


10 Securely install the speaker base to the bracket.

⚠ Caution

- Loosen the screws of the speaker base, and then turn the speaker base to the left or right in steps of 10° to adjust.
- When adjusting the direction of the speaker base, never remove the screws, otherwise the speaker base may fall down.





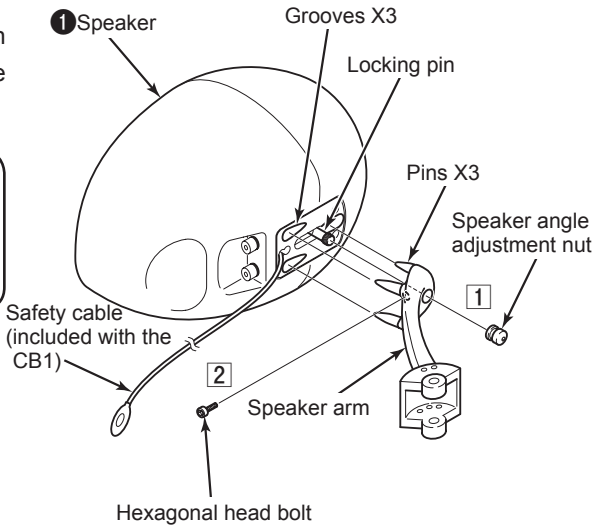
– Assembling the speaker –

1 Insert the locking pin of the speaker into the hole in the speaker arm, and then secure it by tightening the speaker angle adjustment nut.

Tip

Insert the locking pin into the hole in the speaker arm, and align the three pins with the grooves in the speaker.

2 Tighten the hexagonal head bolt into the speaker arm.



3 Assemble the speaker arm to the speaker base.

⚠ Caution

Be careful not to get your hand or fingers caught in the movable part of the speaker arm.

Tip

- Adjust the angle of the speaker when installing the speaker arm.
- When adjusting the angle of the speaker, refer to P.38 – 40 for details of the mark alignment positions.

4 Tighten the retaining bolt and the angle adjustment bolt.

⚠ Caution

Be careful not to get your hand or fingers caught in the movable part of the speaker arm.

Tip

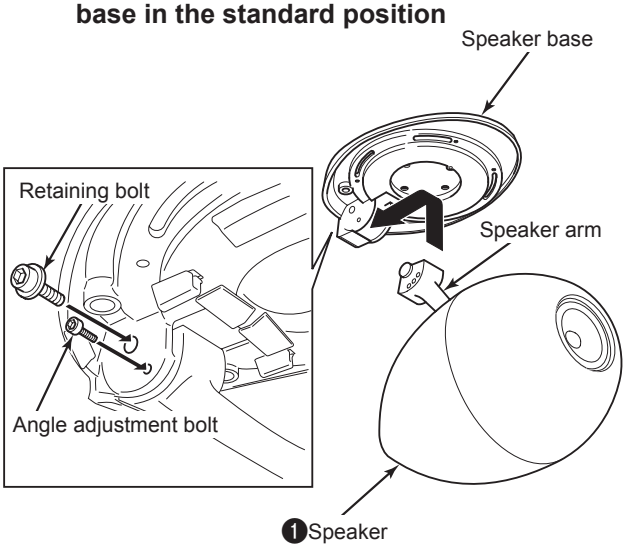
Securely tighten the retaining bolt and the angle adjustment bolt.

5 Make fine adjustments to the speaker angle.

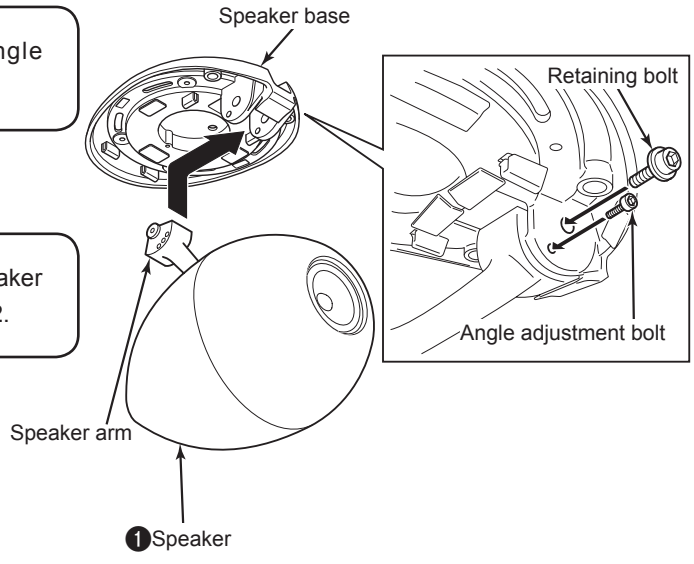
Tip

For details on making fine adjustments to the speaker angle, refer to “Adjusting the speaker angle” on P.32.

■ If installing the speaker arm to the speaker base in the standard position



■ If installing the speaker arm to the speaker base in the reverse position



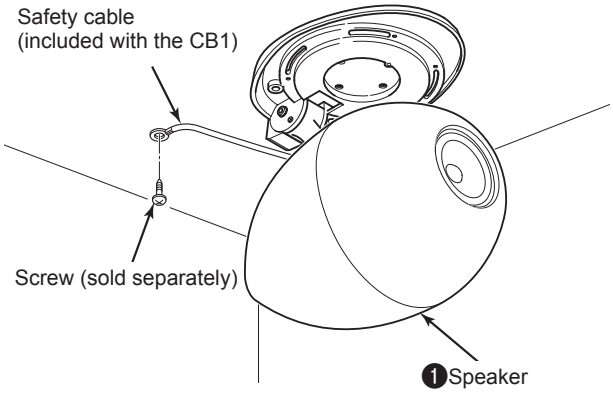
6 Fix the safety cable securely to the surface so unit cannot fall.

⚠ Caution

If the product is not securely fixed, there is a risk it could fall causing injury and or damage.

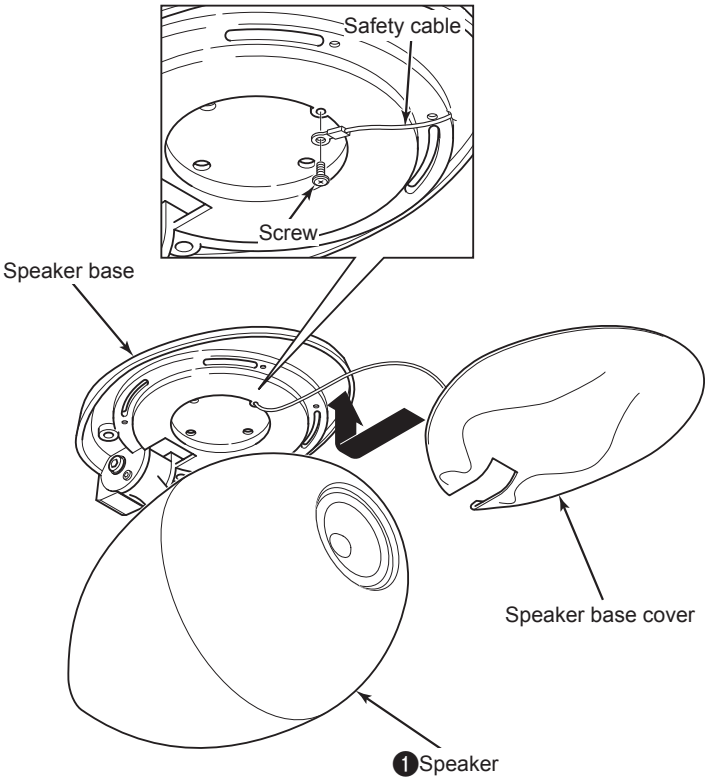
Tip

Find a secure fixing point eg: a beam.



7 Install the safety cable to the speaker base.

8 Install the base cover to the speaker base.

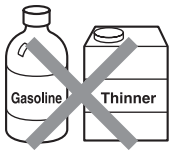


Care / Specifications

■ Maintenance

Before cleaning, be sure to turn off the power supply for all connected equipment and disconnect the power cords from the electrical outlets. Remove any dirt from the unit by lightly wiping with a soft dry cloth.

If required moisten the cloth to remove surface dirt, then dry with a soft cloth.
Do not use gasoline or thinners, etc. on this unit as it may damage the cabinet.



■ Problems during Operation of the Unit

During operation, the unit may stop working properly if it suffers from significant external disruption (impact shock, static electricity, voltage fluctuation caused by lightning, etc.) or is operated incorrectly.

In this situation, turn the amplifier power to switch to the “Off” position.
Turn it back on again and check if normal operation has resumed. (If a problem persists, please contact our Service Centre)

■ Notice for WEEE directive

In accordance with the European Directive 2002/96/EC (for Waste Electric and Electronic Equipment=WEEE), this product, which is labeled with crossed-out wheeled bin, may not be disposed of with household waste in member states of the EU.
WEEE : Waste Electrical and Electronic Equipment
When disposing of this product in an EU member state, dispose properly in accordance with the laws of that state, for example by returning it to the distributor.
WEEE has the potential effects on the environment and human health as a result of the presence of hazardous substances.
You can contribute to eliminate these effects and to enhance reuse/recycle/ other forms of recovery by your cooperation.

■ Specifications

Specifications and appearance are subject to change without prior notification.

●TD508MK3

Driver diameter	: ϕ 8cm
Degaussing	: Degaussing design (JEITA)
Allowable input	: Rated 15 W / Maximum 30 W
Impedance	: 8Ω
Outer dimensions	: W180×D268×H289 (mm)
Weight	: Approximately 3.5kg

●TD510MK2

Driver diameter	: ϕ 10cm
Degaussing	: Degaussing design (JEITA)
Allowable input	: Rated 25 W / Maximum 50 W
Impedance	: 6Ω
Outer dimensions	: W255×D381×H391 (mm)
Weight	: Approximately 9.5kg

Warranty and After-Service

■ Warranty Certificate (included)

After reading the contents of the Warranty Certificate, put it away in a safe place.

Warranty period

The warranty period is 2 years from purchase date. Some costs may be incurred even within the warranty period, so please read your Warranty Certificate carefully.

■ Life-span of Serviceable Parts

The life-span of the serviceable parts in this product is a period of 8 years from the date of manufacture. This is the period stipulated by the Ministry of International Trade and Industry. 'Serviceable parts' are defined as those parts which are necessary to ensure the functionality of the product.

■ Repairs and Enquiries

Please contact the following or the store you purchased the goods.

Eclipse TD (UK) Ltd.
Tel : ＋44 (0) 20 7328 4499
Fax : ＋44 (0) 20 7624 6384
E-mail : info@eclipse-td.co.uk
Business hours : 10:00 am-6:00 pm, Monday to Friday

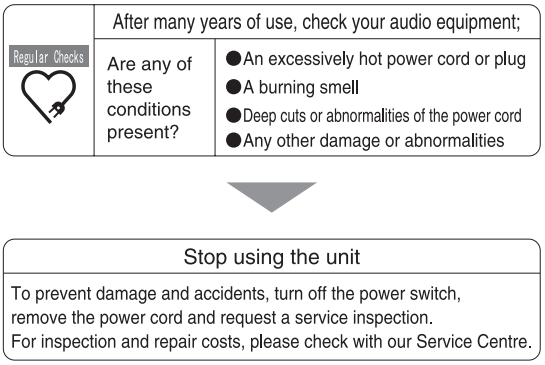
■ When Requesting a Repair

Within warranty period

Present your Warranty Certificate Repairs will be carried out in accordance with the conditions on the Warranty Certificate.

Outside the warranty period

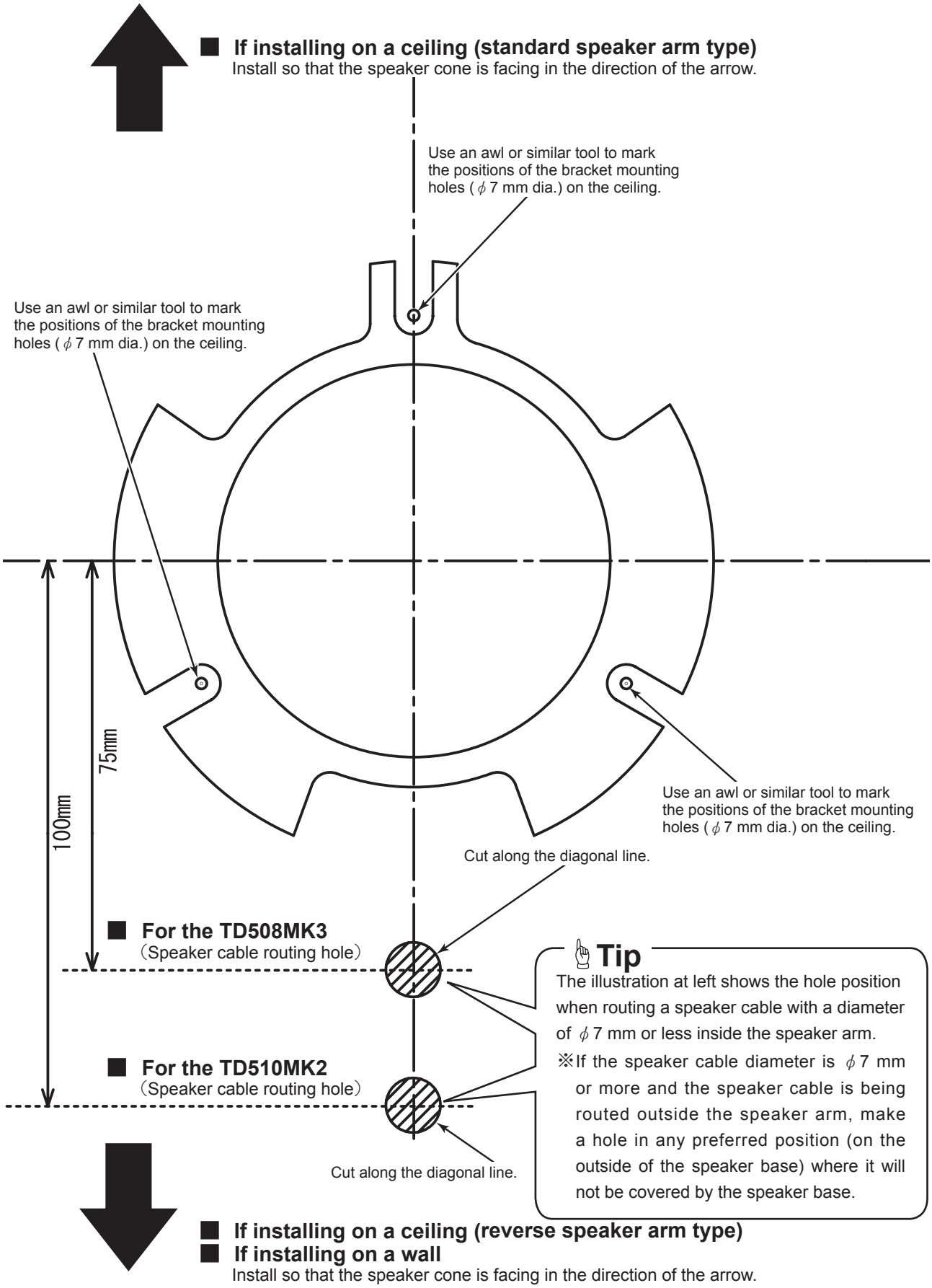
When a repair is possible, it will be carried out upon your instruction and at your expense.


Regular Checks
After many years of use, check your audio equipment;
Are any of these conditions present?
●An excessively hot power cord or plug
●A burning smell
●Deep cuts or abnormalities of the power cord
●Any other damage or abnormalities
Stop using the unit
To prevent damage and accidents, turn off the power switch, remove the power cord and request a service inspection.
For inspection and repair costs, please check with our Service Centre.

− Bracket installation positioning template −

Tip

The direction of the speaker will vary depending on the installation direction of the speaker arm. Check the direction carefully before making the holes.


■ If installing on a ceiling (standard speaker arm type)
Install so that the speaker cone is facing in the direction of the arrow.
Use an awl or similar tool to mark the positions of the bracket mounting holes (ϕ 7 mm dia.) on the ceiling.
Use an awl or similar tool to mark the positions of the bracket mounting holes (ϕ 7 mm dia.) on the ceiling.
Use an awl or similar tool to mark the positions of the bracket mounting holes (ϕ 7 mm dia.) on the ceiling.
75mm
100mm
Cut along the diagonal line.
■ For the TD508MK3
(Speaker cable routing hole)
■ For the TD510MK2
(Speaker cable routing hole)
Cut along the diagonal line.
Tip
The illustration at left shows the hole position when routing a speaker cable with a diameter of ϕ 7 mm or less inside the speaker arm.
※If the speaker cable diameter is ϕ 7 mm or more and the speaker cable is being routed outside the speaker arm, make a hole in any preferred position (on the outside of the speaker base) where it will not be covered by the speaker base.
■ If installing on a ceiling (reverse speaker arm type)
■ If installing on a wall
Install so that the speaker cone is facing in the direction of the arrow.